

Claims:

1. A method for leak-testing components having cavities, wherein on at least one side of the component to be tested, at least the area to be tested is completely wetted with a foam-forming testing liquid, characterized in that the component is subjected to a temperature increase and in that subsequently the component's area to be tested is checked for a bubble formation of the testing liquid.

2. A testing method according to claim 1, characterized in that at least the component's area to be tested is cooled before being wetted with the testing liquid.

3. A testing method according to claim 2, characterized in that the cooling is effected to  $-30^{\circ}\text{C}$  at the most.

4. A testing method according to any one of claims 1 to 3, characterized in that at least the component's area to be tested is heated after having been wetted with the testing liquid.

5. A testing method according to claim 4, characterized in that at least the component's area to be tested is heated by irradiation, in particular by infrared irradiation, from that side of the component which is located opposite the area to be tested.

6. A testing method according to claim 4 or 5, characterized in that the heating is effected to 80°C at the most.

7. A testing method according to any one of claims 1 to 6, characterized in that the oppositely arranged sides at least of the component's area to be tested are wetted with the testing liquid.

8. A testing method according to any one of claims 1 to 7, characterized in that the sites exhibiting bubble formation are marked.

9. A testing method according to any one of claims 1 to 8, characterized in that the testing liquid is applied by brushing to at least the component's area to be tested .

10. A testing method according to any one of claims 1 to 8, characterized in that the testing liquid is applied by spraying to at least the component's area to be tested.

11. A testing method according to any one of claims 1 to 10, characterized in that after said testing, the testing liquid is removed by washing, preferably with water.

12. A testing method according to claim 11, characterized in that the washing process is effected under pressure.

13. A testing method according to claim 11 or 12, characterized in that the washing process is mechanically assisted.